

POU920030198US1
P.J. Gonzalez
1/5

FIGURE 1

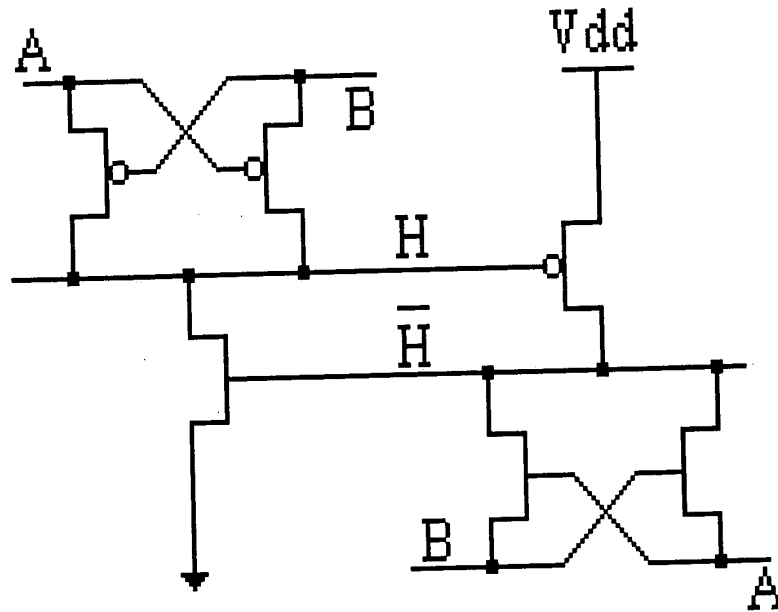
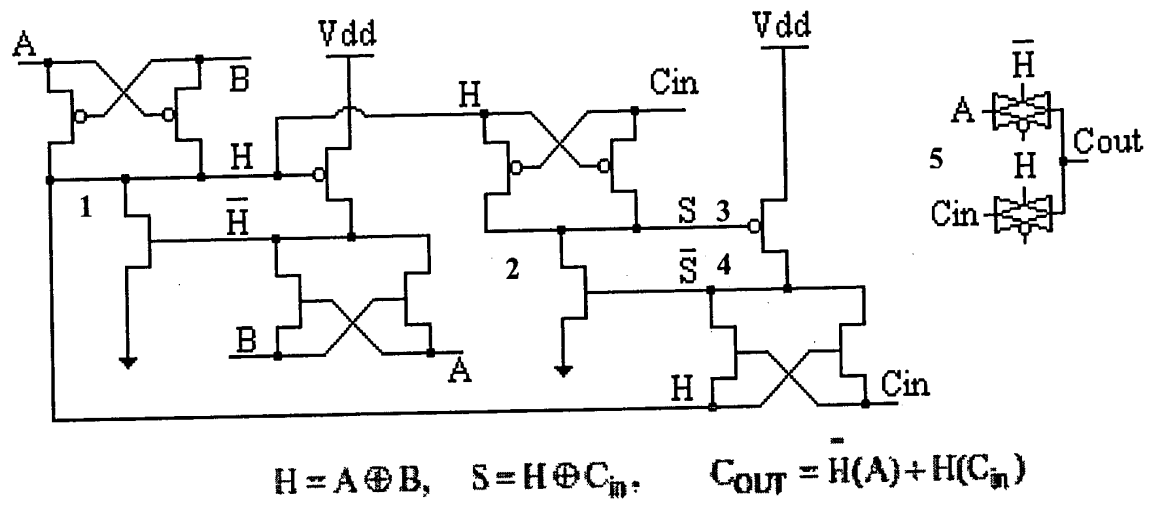


FIGURE 2



	Cin	W	X	Y	Z	Carry	Cout	S
0	0	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	1
1	0	0	0	1	0	0	0	1
2	0	0	0	1	1	0	1	0
1	0	0	1	0	0	0	0	1
2	0	0	1	0	1	0	1	0
2	0	0	1	1	0	0	1	0
3	0	0	1	1	1	0	1	1
1	0	1	0	0	0	0	0	1
2	0	1	0	0	1	1	0	0
2	0	1	0	1	0	1	0	0
3	0	1	0	1	1	0	1	1
2	0	1	1	0	0	1	0	0
3	0	1	1	0	1	0	1	1
3	0	1	1	1	0	0	1	1
4	0	1	1	1	1	1	1	0
1	1	0	0	0	0	0	0	1
2	1	0	0	0	1	1	0	0
2	1	0	0	1	0	1	0	0
3	1	0	0	1	1	0	1	1
2	1	0	1	0	0	1	0	0
3	1	0	1	0	1	0	1	1
3	1	0	1	1	0	0	1	1
4	1	0	1	1	1	1	1	0
2	1	1	0	0	0	1	0	0
3	1	1	0	0	1	1	0	1
3	1	1	0	1	0	1	0	1
4	1	1	0	1	1	1	1	0
3	1	1	1	0	0	1	0	1
4	1	1	1	0	1	1	1	0
4	1	1	1	1	0	1	1	0
5	1	1	1	1	1	1	1	1

FIGURE 3A

	Cin	W	X	Y	Z	Carry	Cout	S
0	0	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	1
1	0	0	0	1	0	0	0	1
2	0	0	0	1	1	0	1	0
1	0	0	1	0	0	0	0	1
2	0	0	1	0	1	0	1	0
2	0	0	1	1	0	0	1	0
3	0	0	1	1	1	0	1	1
1	0	1	0	0	0	0	0	1
2	0	1	0	0	1	1	0	0
2	0	1	0	1	0	1	0	0
3	0	1	0	1	1	0	1	1
2	0	1	1	0	0	1	0	0
3	0	1	1	0	1	0	1	1
3	0	1	1	1	0	0	1	1
4	0	1	1	1	1	1	1	0
1	1	0	0	0	0	0	0	1
2	1	0	0	0	1	1	0	0
2	1	0	0	1	0	1	0	0
3	1	0	0	1	1	0	1	1
2	1	0	1	0	0	1	0	0
3	1	0	1	0	1	0	1	1
3	1	0	1	1	0	0	1	1
4	1	0	1	1	1	1	1	0
2	1	1	0	0	0	1	0	0
3	1	1	0	0	1	1	0	1
3	1	1	0	1	0	1	0	1
4	1	1	0	1	1	1	1	0
3	1	1	1	0	0	1	0	1
4	1	1	1	0	1	1	1	0
4	1	1	1	1	0	1	1	0
5	1	1	1	1	1	1	1	1

FIG 3B

	Cin	W	X	Y	Z	Carry	Cout	S
0	0	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	1
1	0	0	0	1	0	0	0	1
2	0	0	0	1	1	0	1	0
1	0	0	1	0	0	0	0	1
2	0	0	1	0	1	0	1	0
2	0	0	1	1	0	0	1	0
3	0	0	1	1	1	0	1	1
1	0	1	0	0	0	0	0	1
2	0	1	0	0	1	1	0	0
2	0	1	0	1	0	1	0	0
3	0	1	0	1	1	0	1	1
2	0	1	1	0	0	1	0	0
3	0	1	1	0	1	0	1	1
3	0	1	1	1	0	0	1	1
4	0	1	1	1	1	1	1	0
1	1	0	0	0	0	0	0	1
2	1	0	0	0	1	1	0	0
2	1	0	0	1	0	1	0	0
3	1	0	0	1	1	0	1	1
2	1	0	1	0	0	1	0	0
3	1	0	1	0	1	0	1	1
3	1	0	1	1	0	0	1	1
4	1	0	1	1	1	1	1	0
2	1	1	0	0	0	1	0	0
3	1	1	0	0	1	1	0	1
3	1	1	0	1	0	1	0	1
4	1	1	0	1	1	1	1	0
3	1	1	1	0	0	1	0	1
4	1	1	1	0	1	1	1	0
4	1	1	1	1	0	1	1	0
5	1	1	1	1	1	1	1	1

FIGURE 3C

Cin = W	Carry	Cout	Sum
0	Cin	Co	S
1	S	Co	\bar{S}

FIG 3D

FIGURE 4

